

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended) A liquid transfer pump comprising:

- a. a housing formed of a single unitary part;
- b. a motor disposed within a first portion of said housing, said motor including a rotatable drive shaft;
- c. a pump cavity formed in a second portion of said housing, said cavity having an open end and an outlet port;
- d. a volute chamber having an open end, said volute chamber formed within said pump cavity;
- e. a rotatable impeller disposed within said volute chamber and operatively engaged with said rotatable drive shaft of said motor; ~~and~~
- f. a cover attached to said open end of said pump cavity and engaged with said open end of said volute chamber to form a volute; and
- g. an annular region formed in said housing within said pump cavity, said annular region comprising a counterbore within which is disposed a seal, said annular region enclosing a seal flood region, and said annular region including an upper passageway between said pump cavity and said seal flood region and a lower passageway between said pump cavity and said seal flood region, both of said upper passageway and said lower passageway being formed as a part of said housing.

Claim 2 (Currently amended) The liquid transfer pump as recited in claim 1, further comprising an exclusionary plate disposed ~~within~~ between said volute chamber and said annular region, said rotatable drive shaft of said motor extending through a hole formed in said exclusionary plate.

Claim 3 (Cancelled)

Claim 4 (Cancelled)

Claim 5 (Currently amended) A liquid transfer pump comprising:

- a. ~~a unitary housing;~~ a housing formed of a single unitary part;
- b. a motor disposed within a first portion of said housing, said motor including a rotatable drive shaft;
- c. a pump cavity formed in a second portion of said housing, said cavity having an open end and an outlet port;
- d. a volute chamber having an open end, said volute chamber formed within said pump cavity and comprising a wall formed as a part of said housing, wherein a cross port is formed through said wall;
- e. a rotatable impeller disposed within said volute chamber and operatively engaged with said rotatable drive shaft of said motor;
- f. a cover attached to said open end of said pump cavity and engaged with said open end of said volute chamber to form a volute;
- g. an exclusionary plate disposed within said volute chamber, said rotatable drive shaft of said motor extending through a hole formed in said exclusionary plate; and

h. an annular region formed in said housing within said pump cavity, said annular region comprising a counterbore within which is disposed a seal, said annular region enclosing a seal flood region, and said annular region including an upper passageway between said pump cavity and said seal flood region and a lower passageway between said pump cavity and said seal flood region, both of said upper passageway and said lower passageway being formed as a part of said housing.

Claim 6 (Withdrawn) The liquid transfer pump as recited in claim 1, wherein said volute comprises an exit flare.

Claim 7 (Withdrawn) The liquid transfer pump as recited in claim 6, wherein said pump cavity further comprises a baffle disposed above said exit flare of said volute.

Claim 8 (Withdrawn) The liquid transfer pump as recited in claim 1, wherein said cover comprises an inlet port, a cavity, and an outlet port proximate to said impeller.

Claim 9 (Withdrawn) The liquid transfer pump as recited in claim 8, wherein said cover further comprises an inner face, said impeller further comprises a vane face, and said inner face of said cover and said vane face of said impeller are substantially parallel to each other.

Claim 10 (Withdrawn) The liquid transfer pump as recited in claim 1, wherein said second portion of said housing further comprises a filling port comprising a threaded bore.

Claim 11 (Withdrawn) The liquid transfer pump as recited in claim 10, wherein said filling port further comprises a funnel shape disposed above said threaded bore.

Claim 12 (Withdrawn) The liquid transfer pump as recited in claim 11, further comprising a threaded plug engaged with said threaded bore.

Claim 13 (Withdrawn) The liquid transfer pump as recited in claim 12, wherein said plug further comprises a seal engaged with said filling port.

Claim 14 (Withdrawn) The liquid transfer pump as recited in claim 1, wherein said unitary housing further comprises a handle.

Claim 15 (Currently amended) The liquid transfer pump as recited in claim 1, wherein said unitary housing is formed of aluminum alloy.

Claim 16 (Currently amended) [A] The liquid transfer pump as recited in claim 1, further comprising:

- ~~a. a housing formed of a single unitary part;~~
- ~~b. a~~ a a motor disposed within a first substantially cylindrical portion of said housing; said first portion of said housing comprising an open end, a first air inlet opening and a first air outlet opening;
- ~~c. b.~~ a pump cavity formed in a second portion of said housing; and
- ~~d. c.~~ a cover attached to said open end of said first portion of said housing.

Claim 17 (Withdrawn) The liquid transfer pump as recited in claim 16, wherein said motor further comprises a fan operatively engaged to a rotatable drive shaft.

Claim 18 (Withdrawn) The liquid transfer pump as recited in claim 17, wherein said substantially cylindrical portion of said housing comprises a volute cavity.

Claim 19 (Withdrawn) The liquid transfer pump as recited in claim 18, wherein said volute cavity comprises a first volute and a second volute.

Claim 20 (Withdrawn) The liquid transfer pump as recited in claim 19, wherein said substantially cylindrical portion of said housing comprises a first opening proximate to said first volute and a second opening proximate to said second volute.

Claim 21 (Withdrawn) The liquid transfer pump as recited in claim 20, further comprising a drain hole in the bottom of said volute cavity.

Claim 22 (Withdrawn) The liquid transfer pump as recited in claim 21, further comprising a circumferential ridge proximate to said volute cavity.

Claim 23 (Original) The liquid transfer pump as recited in claim 16, wherein said cover is unitary.

Claim 24 (Original) The liquid transfer pump as recited in claim 23, wherein said cover further comprises an inlet opening.

Claim 25 (Withdrawn) The liquid transfer pump as recited in claim 16, wherein said first substantially cylindrical portion of said housing comprises at least one axial rib.

Claim 26 (Withdrawn) The liquid transfer pump as recited in claim 16, wherein said first substantially cylindrical portion of said housing comprises at least one arcuate rib having an end forming a portion of a passageway thereby.

Claim 27 (Withdrawn) The liquid transfer pump as recited in claim 16, wherein said unitary housing further comprises a handle.

Claim 28 (Currently amended) The liquid transfer pump as recited in claim 16, wherein said ~~unitary~~ housing is formed of aluminum alloy.

Claim 29 (Currently amended) [A] The liquid transfer pump as recited in claim 1,
further comprising:

- ~~a.~~ a housing formed of a single unitary part;
- ~~b.~~ a a motor disposed within a first substantially cylindrical portion of said housing; said first substantially cylindrical portion of said housing comprising an open end, and a first air outlet opening;
- ~~c.~~ b a pump cavity formed in a second portion of said housing; and
- ~~d.~~ c a cover attached to said open end of said first portion of said housing, said cover comprising an outer surface, an inner surface, and a first inlet opening.

Claim 30 (Withdrawn) The liquid transfer pump as recited in claim 29, wherein said motor further comprises a fan operatively engaged to a rotatable drive shaft.

Claim 31 (Withdrawn) The liquid transfer pump as recited in claim 30, wherein said cover further comprises a first cover plate covering a portion of said first inlet opening.

Claim 32 (Withdrawn) The liquid transfer pump as recited in claim 31, wherein said first inlet opening further comprises a first baffle.

Claim 33 (Withdrawn) The liquid transfer pump as recited in claim 32, wherein said cover further comprises a second cover plate covering a portion of a second inlet opening, said second inlet opening comprising a second baffle.

Claim 34 (Withdrawn) The liquid transfer pump as recited in claim 29, wherein said cover further comprises a first ear with a first port and a second ear with a second port.

Claim 35 (Withdrawn) The liquid transfer pump as recited in claim 34, wherein said first port of said first ear comprises a first threaded bore and said second port of said second ear comprises a second threaded bore.

Claim 36 (Withdrawn) The liquid transfer pump as recited in claim 35, further comprising a first motor brush disposed in said first port in said first ear, and a second motor brush disposed in said second port in said second ear.

Claim 37 (Withdrawn) The liquid transfer pump as recited in claim 36, further comprising a first threaded cap disposed in said first port in said first ear, and a second threaded cap disposed in said second port in said second ear.

Claim 38 (Original) The liquid transfer pump as recited in claim 29, wherein said cover consists essentially of plastic.

Claim 39 (Original) The liquid transfer pump as recited in claim 29, wherein said cover further comprises a shaft opening.

Claim 40 (Withdrawn) The liquid transfer pump as recited in claim 29, wherein said cover further comprises a switch opening, and said pump further comprises a switch disposed in said switch opening.

Claim 41 (Withdrawn) The liquid transfer pump as recited in claim 29, wherein said cover further comprises a cord opening, and said pump further comprises a cord assembly disposed in said cord opening.

Claim 42 (Withdrawn) The liquid transfer pump as recited in claim 29, wherein said inner surface of said cover further comprises an arcuate rib.

Claim 43 (Withdrawn) The liquid transfer pump as recited in claim 29, wherein said inner surface of said cover further comprises a reinforcement rib.

Claim 44 (Original) The liquid transfer pump as recited in claim 29, wherein said cover further comprises a flange with at least one hole therethrough.

Claim 45 (Original) The liquid transfer pump as recited in claim 29, wherein said cover further comprises a bearing race formed therein.

Claim 46 (Original) The liquid transfer pump as recited in claim 29, wherein said inner surface cover of said cover further comprises a first fastener hole and a second fastener hole.

Claim 47 (Withdrawn) The liquid transfer pump as recited in claim 29, wherein said open end of said first substantially cylindrical portion of said housing cover further comprises a first taper, and wherein said cover further comprises a second taper engaged with said first taper of said open end of said first substantially cylindrical portion of said housing.

Claim 48 (Currently amended) A liquid transfer pump comprising:

- a. a housing;
- b. a motor disposed within a first portion of said housing, said motor including a rotatable drive shaft;
- c. a pump cavity formed in a second portion of said housing, said cavity having an open end and an outlet port;

- d. a volute chamber having an open end, said volute chamber formed within said pump cavity;
- e. ~~an exclusionary plate disposed within said volute chamber and separating said volute chamber from an inner region within said housing, said rotatable drive shaft of said motor extending through a hole formed in said exclusionary plate, thereby forming an annular gap between said shaft and said hole, said annular gap providing fluid communication between said volute chamber and said inner region within said housing~~ an annular region formed in said housing within said pump cavity, said annular region comprising a counterbore within which is disposed a seal, said annular region enclosing a seal flood region, and said annular region including an upper passageway between said pump cavity and said seal flood region and a lower passageway between said pump cavity and said seal flood region, both of said upper passageway and said lower passageway being formed as a part of said housing;
- f. a rotatable impeller disposed within said volute chamber and operatively engaged with said rotatable drive shaft of said motor; and
- g. a cover attached to said open end of said pump cavity and engaged with said open end of said volute chamber to form a volute.

Claim 49 (Currently amended) The liquid transfer pump as recited in claim 48, further comprising ~~an annular region formed in said housing within said pump cavity, said annular region comprising a counterbore within which is disposed a seal, and enclosing a seal flood region~~ an exclusionary plate disposed within said

volute chamber and separating said volute chamber from said annular region within said housing, said rotatable drive shaft of said motor extending through a hole formed in said exclusionary plate, thereby forming an annular gap between said shaft and said hole, said annular gap providing fluid communication between said volute chamber and said annular region within said housing.

Claim 50 (Cancelled)

Claim 51 (Currently amended) The liquid transfer pump as recited in claim 5048, wherein said volute chamber comprises a wall formed as a part of said housing, and wherein a cross port is formed through said wall of said volute chamber.